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## Patent Abstracts of Japan

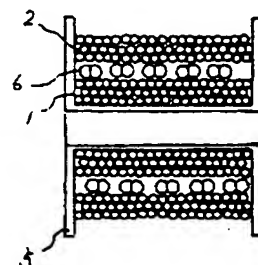
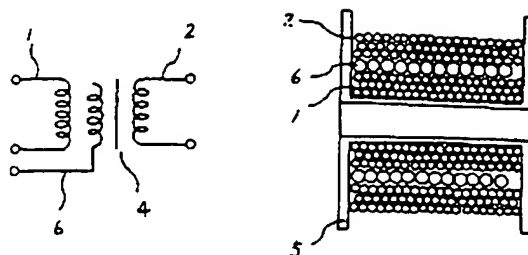
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APPLICANT : NIPPON TELEGR & TELEPH CORP  
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TITLE : INTER-WINDING SHIELD STRUCTURE  
OF TRANSFORMER



ABSTRACT : PURPOSE: To mount a shield structure with an automatic winding machine by providing another winding between the windings of a transformer having a plurality of windings, grounding the one end of the windings and opening the other ends thereof.

CONSTITUTION: In a shield structure, a shield winding 6 is wound between the primary winding 1 and the secondary winding 2, with the one end of shield winding 6 grounded and the other end opened. The shield winding 6 must be wound with less number of turnings and without any gap using a thick lead wire from the point of view of the property of inducing a voltage on such coil. Otherwise, a number of turns is reduced by forming a shield winding 6 using two lead wires wound in parallel. In this case, gap is eliminated in actual. Thereby, windings can be formed with the automatic winding machine including the shield structure and accordingly an economical transformer can be realized while keeping the desired shield effect.

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